

STAR OPM Schema

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Object Protocol Model

- Why:
 - allows an OO approach with our present DB at RHIC (Oracle).
 - Attractive Web tools
- Where are we?
 - Using the tool on the OPM group workstation
 - Some work done to install it on RHIC cluster.
At the moment waiting for an upgrade to be able to access Oracle from C++.
 - A data schema defined and implemented.

OPM

- Plenty of documentation.
- Lots of help from E. Szeto
- Sometimes I got confused with different scripts. Different ways of doing the same operations.
- Some troubles with Oracle reserved words.
- I have not got to the point where I can get the DB on the Web by myself.

Schema Definition

- Schema editor available
- However it is faster to define the schema with an ascii file
- Examples of schema header and two objects.

SCHEMA STAR

DESCRIPTION: "First to define STAR hierarchical database "

OBJECT CLASS Accelerator_setup

DESCRIPTION: "Accelerator Setup "

ID : acc_id

ATTRIBUTE acc_id : [1,1] CHAR(10)

ATTRIBUTE beam_1 : [1,1] Beam_setup

ATTRIBUTE beam_2 : [1,1] Beam_setup

OBJECT CLASS Beam_setup

DESCRIPTION: "Beam Setup "

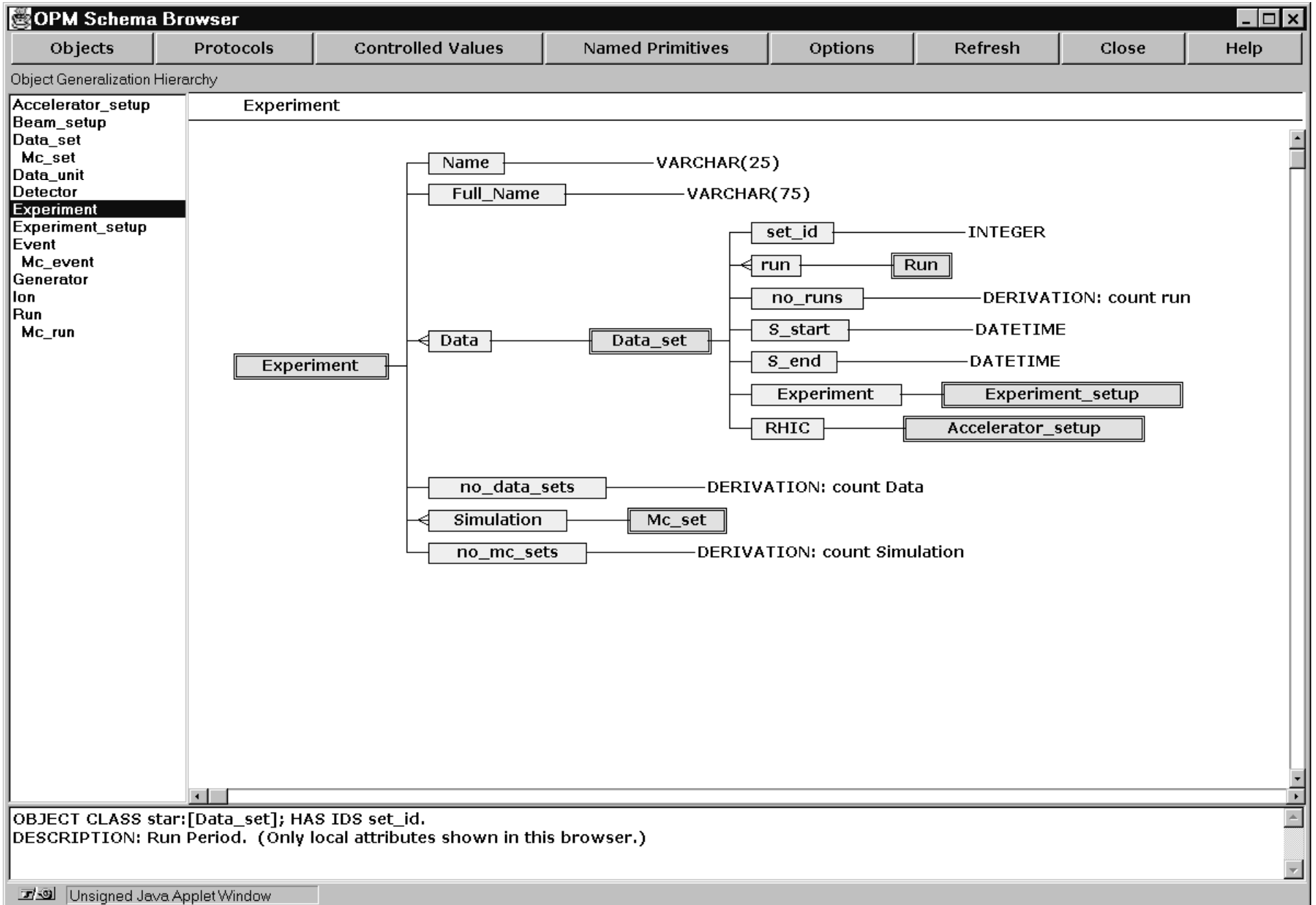
ID : beam_id

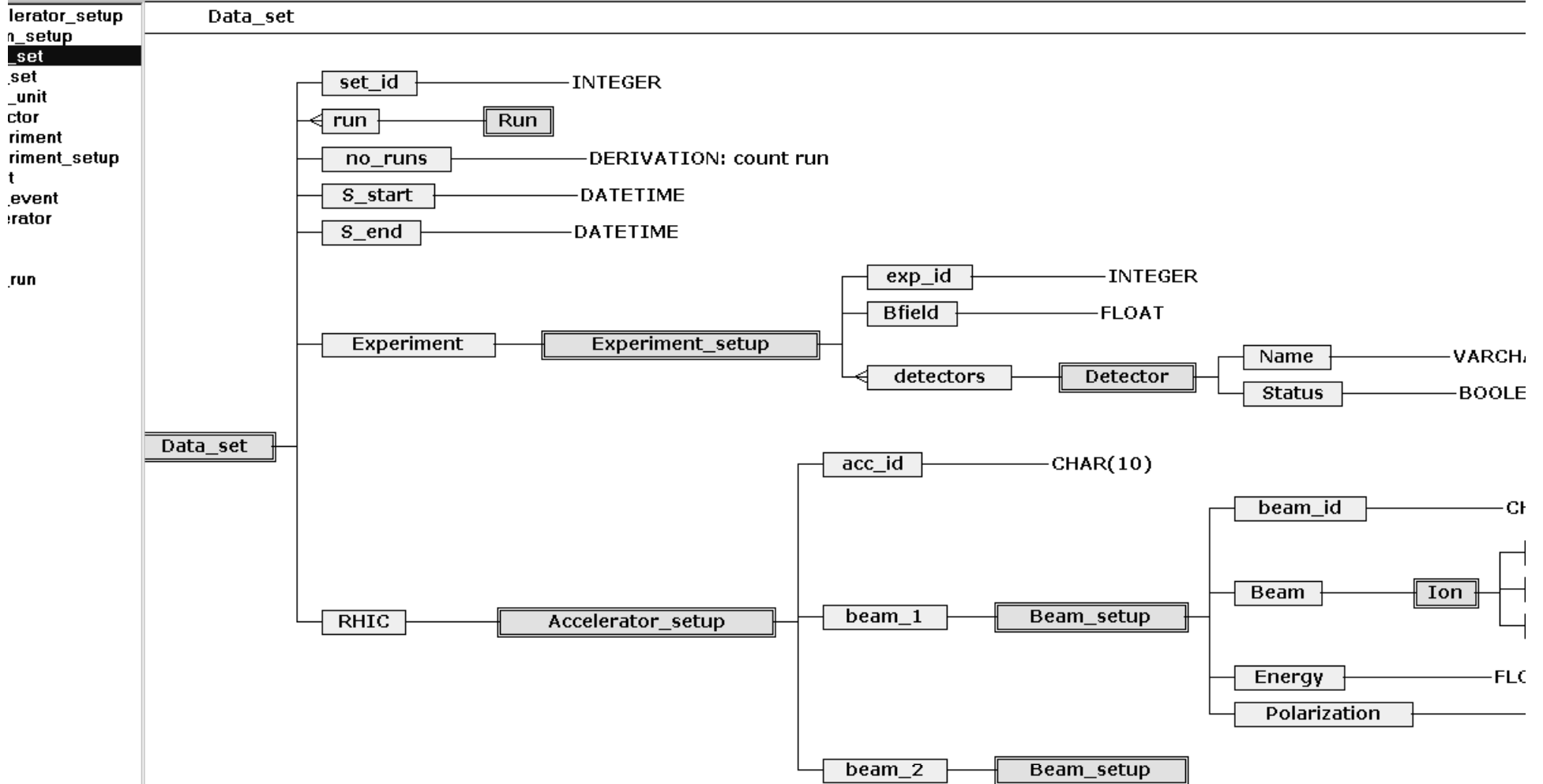
ATTRIBUTE beam_id : [1,1] CHAR(10)

ATTRIBUTE Beam : [1,1] Ion

ATTRIBUTE Energy : [1,1] FLOAT

ATTRIBUTE Polarization : [1,1] FLOAT





ECT CLASS star:[Ion]; HAS IDS Name.

OPTION: Beam Particle (Only local attributes shown in this browser.)

lerator_setup
 n_setup
 _set
 _unit
 ctor
 riment
 riment_setup
 t
 _event
 rator

 _run

Mc_set

